Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/28/2021 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125125	0	1.48	125069	1.47
Blue	F	SSC	125000	123179	-2	2.58	123602	2.47
Blue	E	FITC	13131	12792	-3	2.32	294	15.68
Blue	D	PE	24112	23875	-1	1.78	547	11.52
Blue	B	PerCP-Cy5-5	31295	30762	-2	3.08	1020	14.62
Blue	A	PE-Cy7	19939	19890	-1	5.24	528	29.81
Red	C	APC	42122	41662	-2	3.08	1746	11.47
Red	A	APC-Cy7	22340	21631	-4	3.44	808	11.61
Violet	B	V450	7410	7081	-5	4.1	427	12.68
Violet	A	V500	28118	26745	-5	3.63	666	10.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22733	1.16	569	0	N/A	N/A	Pass
Blue	F	SSC	57315	1.26	519	7	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	0	0.0399	74	Pass
Blue	D	PE	116	36.16	490	2	0.2803	165	Pass
Blue	B	PerCP-Cy5-5	189	35.41	586	0	0.0194	38	Pass
Blue	A	PE-Cy7	106	69.19	629	1	0.0210	0	Pass
Red	C	APC	404	23.67	579	3	0.0273	134	Pass
Red	A	APC-Cy7	181	27.86	553	2	0.0066	1344	Pass
Violet	B	V450	59	65.33	459	6	0.0681	2737	Pass
Violet	A	V500	96	35.89	470	5	0.0256	1026	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/28/2021 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.01	-31.67	1.02
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.75	13.60 - 20.40	N/A	N/A	29.87	30.27	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 15238

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments